

Publication

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Application

EP 97650028 A 19970729

Priority

US 69055396 A 19960731

Abstract (en)

[origin: EP0849216A2] A limited action flow control fluid dispenser. The fluid dispenser includes a housing (1001), a plunger (1004) positioned within the housing, and a nozzle (1007). The housing (1004) has a fluid inlet (1020), a fluid outlet (1012) and a cavity (1074). The plunger (1004) is longitudinally positioned within the cavity (1014) and is slidable between a first position and a second position. The first position permits fluid flow from the fluid inlet (1020) through the cavity (1014) and out from the fluid outlet (1012). The second position prevents fluid flow. The plunger (1004) includes first and second ends, a substantially uniformly concave section, a velocity reducing section, a sealing section, and a constant volume section. In operation, the plunger serves to reduce foaming in carbonated beverages, such as beer, and facilitate pressurization of the fluid delivery system. In another aspect of the present invention, a velocity reducing device is provided that includes a first end mated with the fluid inlet and a second end that is mated with a fluid supply line. Turbulence is created within the velocity reducing device to reduce the fluid velocity prior to entering the fluid dispenser.

IPC 1-7

B67D 1/14

IPC 8 full level

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CPC (source: EP US)

B67D 1/1433 (2013.01 - EP US); **B67D 1/1466** (2013.01 - EP US)

Citation (search report)

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